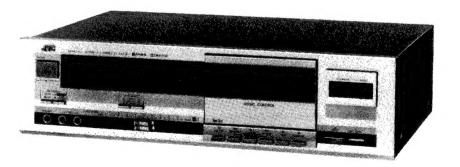
JVC



KD-D30 A/B/C/E/J/U STEREO CASSETTE DECK



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Specifications

: Stereo cassette deck Track system : 4-track, 2-channel Tape speed : 1-7/8 inch/sec (4.8 cm/sec) Frequency response: (O dB recording) Metal tape *1:

 $30-12,500 \text{ Hz } (\pm 3 \text{ dB})$ SA/Chrome tape *2; $30-8,000 \text{ Hz} (\pm 3 \text{ dB})$ SF/Normal tape *3; $30-8,000 \text{ Hz} (\pm 3 \text{ dB})$ (-20 dB recording) Metal tape *1: 20-16,000 Hz

 $30-15,000 \text{ Hz } (\pm 30 \text{ dB})$ SA/Chrome tape *2; 20-16,000 Hz $30-15,000 \text{ Hz } (\pm 3 \text{ dB})$ SF/Normal tape *3; 20-15,000 Hz $30-14,000 \text{ Hz } (\pm 3 \text{ dB})$

Note: *1JVC ME or Equivalent *2TDK SA or Equivalent *3MAXELL UD or Equivalent

S/N ratio : 58 dB (S = 1 kHz, K3 = 3%.

N = A-Weight, Metal tape) The S/N is improved by about 15 dB at 500 Hz and by max, 20 dB at 1 kH-10 kHz with DOLBY C NR on and improved by 5 dB at 1 kHz and by 10 dB at above 5 kHz with ANRS/DOLBY B NR on.

Improvement of MOL

: 4 dB at 10 kHz with DOLBY C NR

Wow and flutter : 0.05% (WRMS),

0.16% (DIN 45 500)

Crosstalk : 60 dB (1 kHz)

Harmonic distortion: K3; 0.5% THD; 1.0% (Metal tape, 1 kHz 0 VU)

: METAPERM head for recor-

ding/playback, 2-gap ferrite head

for erasure

: Electronic governed DC motor Fast f! rward time : Approx 100 sec. with C-60

cassette

Rewind time : Approx 100 sec. with C-60

cassette

Input terminals

Mic jack × 2 : Max. sensitivity; 0.2 mV

(-74 dBV)

Matching impedance; $600 \Omega - 10 k\Omega$

Input jack × 2 : Min. input level; 80 mV

Input impedance; 100 k Ω

Output terminals

Dimensions

Output jack × 2 : Output level; 300 mV Output impedance; 5 kΩ

Phones jack × 1 : Output level 0.3 mW/8 Ω Matching impedance; 8-1 kΩ

Power requirement : AC 240/220/120 V, 50/60 Hz

(KD-D30 A/B/C/E/J) AC 240/220/120/100 V 50/60 Hz (KD-D30U)

Power consumption : With power on 17 W With power switch off 1.3 W

: 17-1/8" (435 mm) W 4-9/16" (116 mm) H 10-13/16" (275 mm) D

Weight : 11.2 lbs (5.1 kg) Accessories : Pin plug cord 2

Design and specifications are subject to change without notice.

Features

- DOLBY* C NR system.
- Music Scan mechanism

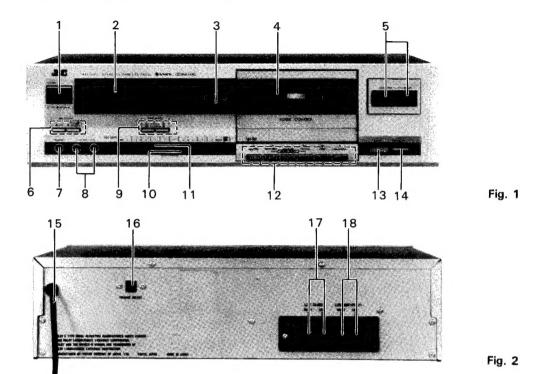
"Under license of Staar S.A., Brussels Belgium"

- Metal tape compatible.
- 2-color LED peak level indicator.
- TIMER START facility.
- Full auto-stop mechanism.
- Tape running indicator.
- Geared and oil-damped cassette door.
- Automatic input select.
- REC MUTE (record muting) mechanism.

* ''Dolby'' and the double-D symbol are trademark of Dolby Laboratories Licensing Corporation.

Heads

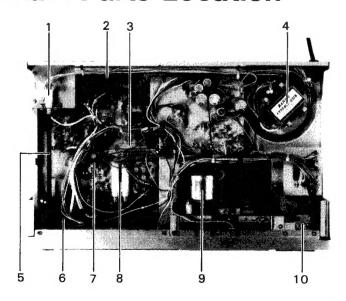
Controls and Connections



- 1. POWER switch
- 2. MULTI PEAK INDICATOR
- 3. Tape running indicator
- 4. Cassette holder
- 5. Tape COUNTER/counter RESET button
- 6. NR SYSTEM switches [OFF, $\frac{ANRS}{DOLBY B}$, DOLBY C]
- 7. Headphone jack [PHONES]
- 8. Microphone jacks [MIC-L, MIC-R]
- 9. TAPE SELECT switches [METAL, SA/CrO2, SF/NORM]
- 10. REC LEVEL control (right)
- 11. REC LEVEL control (left)

- 12. Cassette operation buttons
 - O REC (Record) button
 - ■■ REW/REV (Rewind/Review) button
 - PLAY button
 - ▶► FF/CUE (Fast forward/cue) button
 - STOP button
 - PAUSE button
- 13. EJECT button
- 14. REC MUTE button
- 15. Power cord
- 16. Voltage select switch
- 17. LINE IN (REC) terminals
- 18. LINE OUT (PLAY) terminals

Main Parts Location



- 1. Power switch
- 2. Pin jacks ass'y
- 3. Recording switch
- 4. Power transformer
- 5. Remote bar for power transformer
- 6. Microphone jacks
- 7. Main P.W. board ass'y
- 8. Tape select switches
- 9. Motor
- 10. Hall IC. P.W. board

Fig. 3

Description of New Technology

Dolby C-type Noise Reduction System

- A newly developed IC is used to reduce noise and expand the MOL (maximum output level) dramatically. -

The Dolby C-type closely resembles the B-type in operation, the system compatible with ANRS, yet offers even better performance and more distinctive features. Namely:

- Noise reduction is greater -20 dB from 1 kHz to 10 kHz and as much as 15 dB at 500 Hz.
- At 10 kHz it improves MOL by 4 dB when recorded at 0 VU.
- It is immune to undesirable side effects such as modulation noise and breathing.

Dolby C noise reduction solves the problem of achieving a large amount of compression and expansion without introducing undesirable side effects by the use of two processing stages in series, each supplying 10 dB of compression during recording and of expansion during playback. These circuits operate at independent levels. One, identified as the high-level stage in Figure B, is sensitive to signals at about the same levels as Dolby B-type noise reduction, while the other, the low-level stage, operates on signals of somewhat lower level. Because the two stages operate in tandem with each other, their effect is to multiply the signals (or add and subtract in dB's), so that a total of 20 dB of compression and expansion, and thus of noise reduction, is accomplished. Yet simultaneously, at no time is the signal subject to the vagaries of a single compression or expansion action of 20 dB. In other words, the tandem two-level, two-stage configuration provides a much more accurate control of the signal than a single compander circuit would be able to achieve.

Since a single newly developed IC is used for Dolby C noise reduction in this unit, compared with the Dolby B ICs two normally used, better characteristics are achieved.

- Recording/playback mode and NR mode (OFF/Dolby B/ Dolby C) selection is electronic.
- 2. The circuit does not need adjustment,
- The over-shoot and limiter level specified for Dolby B and C are adopted to give better transient characteristics.

- Phase distortion is improved by use of a full-wave rectifying circuit.
- Almost totally integrated with few external components.
- With all signal processing performed in a single chip, characteristics in recording and playback are indentical.
- Since the same elements are used for spectral skewing and in the anti-saturation network in both recording and playback, the characteristics are the same.
- 8. Multiplex buffer amplifier built-in.
- External semi-fixed resistor allows setting of monitor output level to required level.
- 10. Since the performance of the unit is not affected by the side chain when noise reduction is switched off, distortion and frequency response do not deteriorate.
- 11. It can be used as two Dolby B noise reduction circuits.

Other developments

In addition to two-level processing, Dolby C-type noise reduction incorporates a number of further innovations. Two of these, shown in Figure B as anti-saturation and spectral skewing networks, are carefully calculated frequency response modifications introduced in the encoding (record) process and reciprocally compensated for in the decode (playback) process. Their purpose is two-fold: to further guard against audible side effects, and to ensure the practicality of the system in day-to-day consumer use. The specific benefits of these innovations include the reduction of encode-decorde errors and a reduction of upper-middle and high frequency tape saturation and its side effects, such as high frequency losses and intermodulation distortion. Together with the two-level, twostage configuration, these new developments result in a 20 dB noise reduction system at least as free of side effects as the 10 dB B-type system, and one which is just as practical in day-to-day use.

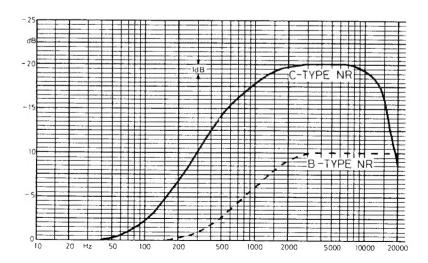
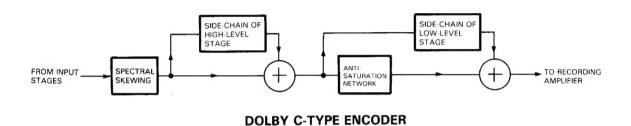


Fig. 4-A Low-level encoding frequency response

These curves, showing the maximum low-level boost imparted by both C-type and B-type noise reduction in the absence of high frequency signals, illustrate some of the similarities and differences between the two systems. Dolby C noise reduction imparts more boost in recording and more cut in playback, thus providing more noise reduc-

tion. The effect also extends about two octaves lower with C-type noise reduction to maintain subjectively uniform noise level across the spectrum. Processing at very low frequencies is not required with either system because low frequency noise is insignificant in properly engineered cassette recorders.



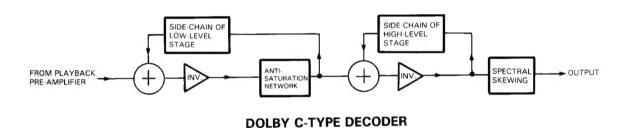


Fig. 4-B Dolby C-type NR block diagram

Safety Precautions

∆ Safety mark

Safety is very important with this unit. When replacing the parts marked ${\textstyle \bigwedge}$, be sure to use only those designated parts. The designated resistors, diodes, transistors become hot in use. When replacing, be sure to secure them with a distance of more than 5 mm from the circuit board. In addition, they are banded together to avoid touching other wiring, recheck this point as well after repair.

The wiring of the primary side should be wound more than one and half times, then soldered.

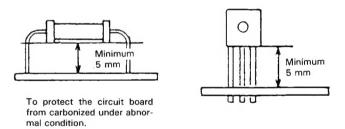


Fig. 5

Removal of the Main Parts

Observe care in handling the parts since the parts are small in size and the distance between them are short due to a deck design aimed mainly at compactness and high performance.

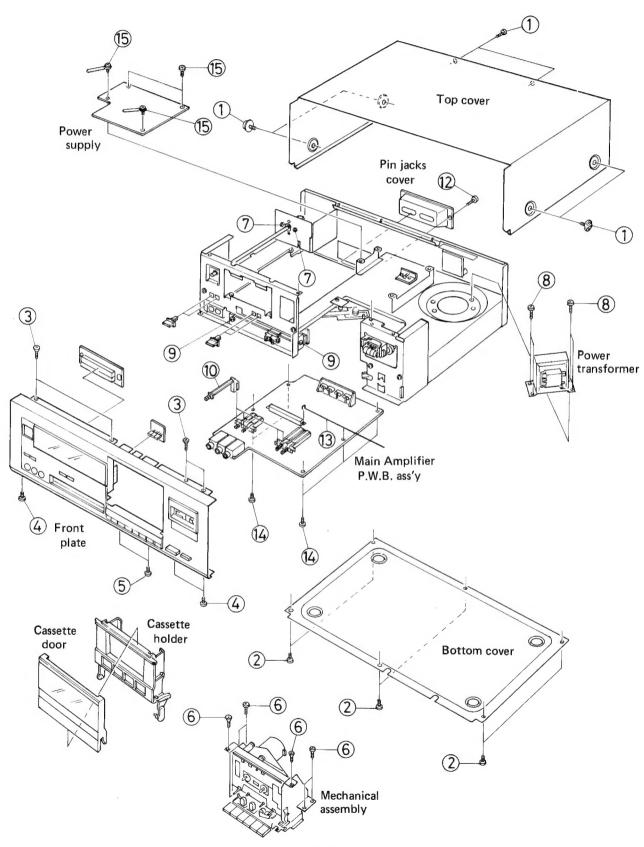


Fig. 6

Enclosure assembly parts

1. Cassette door

Push the EJECT button to open the cassette door. Slide off the cassette door upwards to unlock its pawls off both sides.

2. Top cover

Remove 6 screws 1. (left, right and rear 2 screws on each.)

3. Bottom cover

Remove 6 screws (2)

4. Front plate assembly

Remove 6 screws (4 screws 3 on upper side and 2 screws 4 on bottom side).

5. Cassette holder

Remove 2 screws (5) fastening the door bracket ass'y.

Mechanical assembly

Remove 6 screws 6 fastening the mechanical ass'y (2 screws on the front bracket, and 4 screws on the chassis.)

Mechanical parts

The removal methods of mechanical parts are the same as model KD-D20. Please refer to service manual of KD-D20 (No. 4208 page 6).

Electrical parts

When removing wire clamp (QHX2075-001), cut off it and when clamping wires, use new parts.

1. Power switch

Remove 2 screws (7) fastening the power switch.

2. Power transformer

Remove 4 screws (8) fastening the power transformer.

3. Slide knobs (Recording level control)

Remove 2 screws (9) fastening the blind.

4. Main amplifier P.W. board ass'y

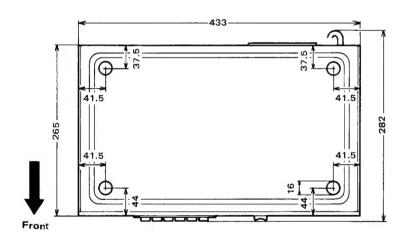
- 1) Pull off 4 knob holders 10 of tape select switches and NR system switch.
- 2) Remove a screw (12) fastening PIN jacks cover.

3) Remove the recording switch wire (13)

- 4) Remove 5 screws (14) fastening the main amplifier P.W. board.
- Slide down the rear side of main amp. P.W. board and pull off it to rear side.
- 5. Power supply P.W. board ass'y

Remove 4 screws (15) fastening the power supply P.W. board

Dimensions



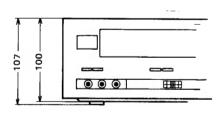


Fig. 7

Main Adjustments

[I] Equipment and measuring instruments used for adjustment

1. Electrical adjustment

- 1) Electronic voltmeter
- 2) Audio frequency oscillator (range: 50-20 kHz and output 0 dB with impedance $600~\Omega$)
- 3) Attenuator
- 4) Standard tapes for REC/PB

 Maxell UD SF tape

 TDK SA SA tape

or equivalent

JVC ME — Metal tape
 Feference tapes for playback (JVC Test Tape)
 VTT-658 (for head azimuth adj.)

VTT-656 (for motor speed, wow flutter adj.)

VTT-664 (for Reference Level 1 kHz)

VTT-675N (for playback frequency response)

6) Resistor 600 Ω (for attenuator matching)

2. Mechanical adjustment

- 1) Torque testing cassette gauge, CTG-N.
- 2) Blank tape (C-120) for tape running checker.

[II] Mechanical adjustment

This adjustment is the same as those of the service manual for PC-3 JW/W/WH/C (No. 1469) or PC-3L/LB (No. 1470).

Please refer to the service manual of PC-3 JW/W/WH/C (No. 1469, page 17) or PC-3L/LB (No. 1470 page 17).

[III] Electrical adjustments location

Main Amp. P.W. Board (parts ass'y side view)

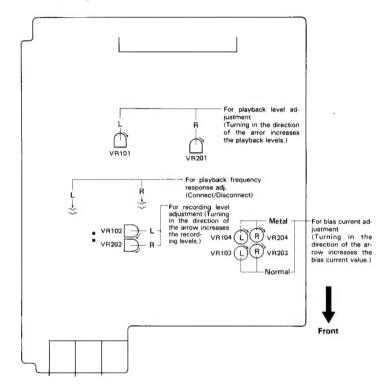


Fig. 8

[IV] Electrical circuit adjustment procedure

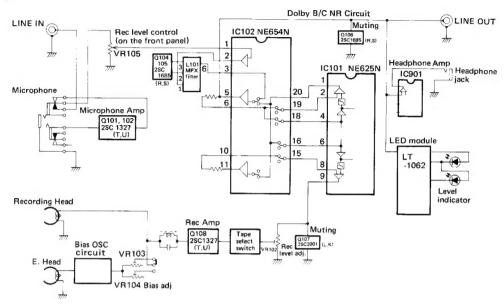
In the steps marked by an asterisk (*), adjustment should be performed, however, only checking is sufficient with steps other than those. Adjustment should be performed in the order of steps 1, 2, 3,..... Perform this adjustment with the NR SYSTEM switch set to OFF.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
1*	Playback frequency response	Play back test tape VTT-675N (1 kHz, 10 kHz) for following adjustment. 1. Connect/Disconnect C102 or C103 so that 10 kHz signal and 1 kHz signal gains become flat response.	C102 C103	Reference frequency: 1 kHz 0±2 dB at 10 kHz	NR SYSTEM: OFF TAPE SELECT: SF/NORM
2*	Adjusting playback level	Play back the VTT-664 Reference tape (1 kHz) with the tape select switch set to the SF/NORM position. Adjust VR101 and VR201 until the LINE OUT becomes about -8 dBs.	VR101 201	-8 dBs	This adjustment becomes necessary when a change in playback level results (for example, due to head replacement).

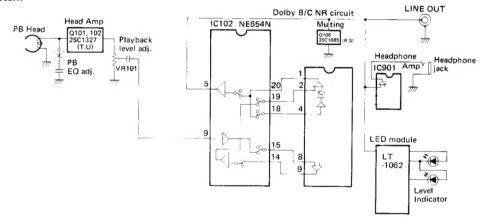
Step	Item	Adjustment	Adjusting point	Standard value	Remarks
3* Checking record/ playback frequency response		Record 1 kHz, 50 Hz and 12.5 kHz signals at an input level of 0 dB to -20 dB. Play back the tape. Check to see that the 50 Hz and 12.5 kHz signal output deviations fall within the standard range, using the 1 kHz signal output as a reference. Increase in high frequencies (with a small bias current) Optimum level Decrease in high frequencies (with a larger bias current) 1kHz 12.5kHz Frequency (Hz)	For SF/ NORM tape; VR103 203 For Metal tape; VR104 204	Reference frequency; 1 kHz 0±3 dB at 50 Hz 0±4 dB at 12.5 kHz	This checking should be performed for normal tape and for both right and left channels. 1. Bias current adjustment for a cassette deck should generally be performed referring to the record/playback frequency response. This is because the frequency response of a cassette deck depends more greatly upon the bias current than does that of an open reel deck. 2. If the bias current is not properly adjusted, the record and playback characteristics become as shown left.
4	Adjusting recording level	 Apply a 1 kHz, approx. — 10 dB signal to the LINE IN terminals. Adjust the recording level controls until the signal is available at — 8 dBs at the LINE OUT terminals. After checking to see if the Peak level indicator become 0, record the signal applied to both left and right channels using normal tape. Play back the recording part. Perform the recording signal adjustment with VR102 and VR202 so that the peak level indicator become 0. 	VR102 202	o vu	The level difference between left and right channels for SF/NORM tape and metal tape should be less than 1 dB. Perform the adjustment using a normal tape, level difference between recording and playback for metal tape, should be less than 1.5 dB, and that between left and right channels should also be less than 1 dB.
5	Checking record/ playback signal distortion	 Record a 1 kHz, -8 dBs signal to LINE IN terminals and perform recording with the peak level indicator become 0. Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value. 		SF/NORM tape; Less than 2.5% SA/CrO2 tape; Less than 3% Metal tape; Less than 2%	Be sure to perform this adjustment following bias current and recording level adjustments.
6	Checking signal to noise ratio in record- ing/play- back	 Record a 1 kHz, O dB signal. Stop the input by disconnecting from the terminal to perform nonsignal recording. Play back the recorded part. Measure the O dB recording output and the nonsignal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value. 		SF/NORM, and Metal tapes; More than 42 dB	
7	Checking erasing coefficient	 Apply a 1 kHz signal to the LINE IN terminals. Adjust the recording level controls until the peak level indicator become 0. Perform recording with the signal enhanced by 20 dB. Erase a part of the recording. Measure the output difference between the erased part and nonerased part to compare with an electronic voltmeter. 		More than 65 dB	For the measuring, connect a band pass filter between the deck and the electronic voltmeter. Input (1kHz OdB + 2OdB) Band pass filter (1kHz) Electronic voltmeter
8.	Check Auto stop	Hold less than 1 +0 mm gap to the mag	net from the h	nall IC.	

Block Diagram

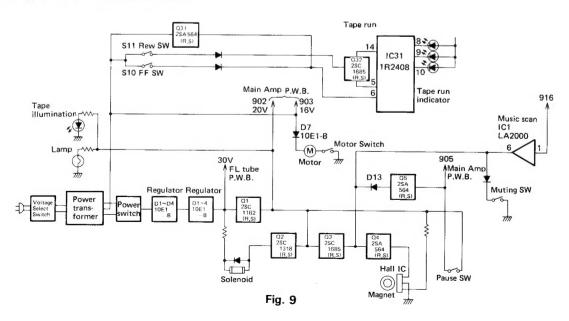
Recording System



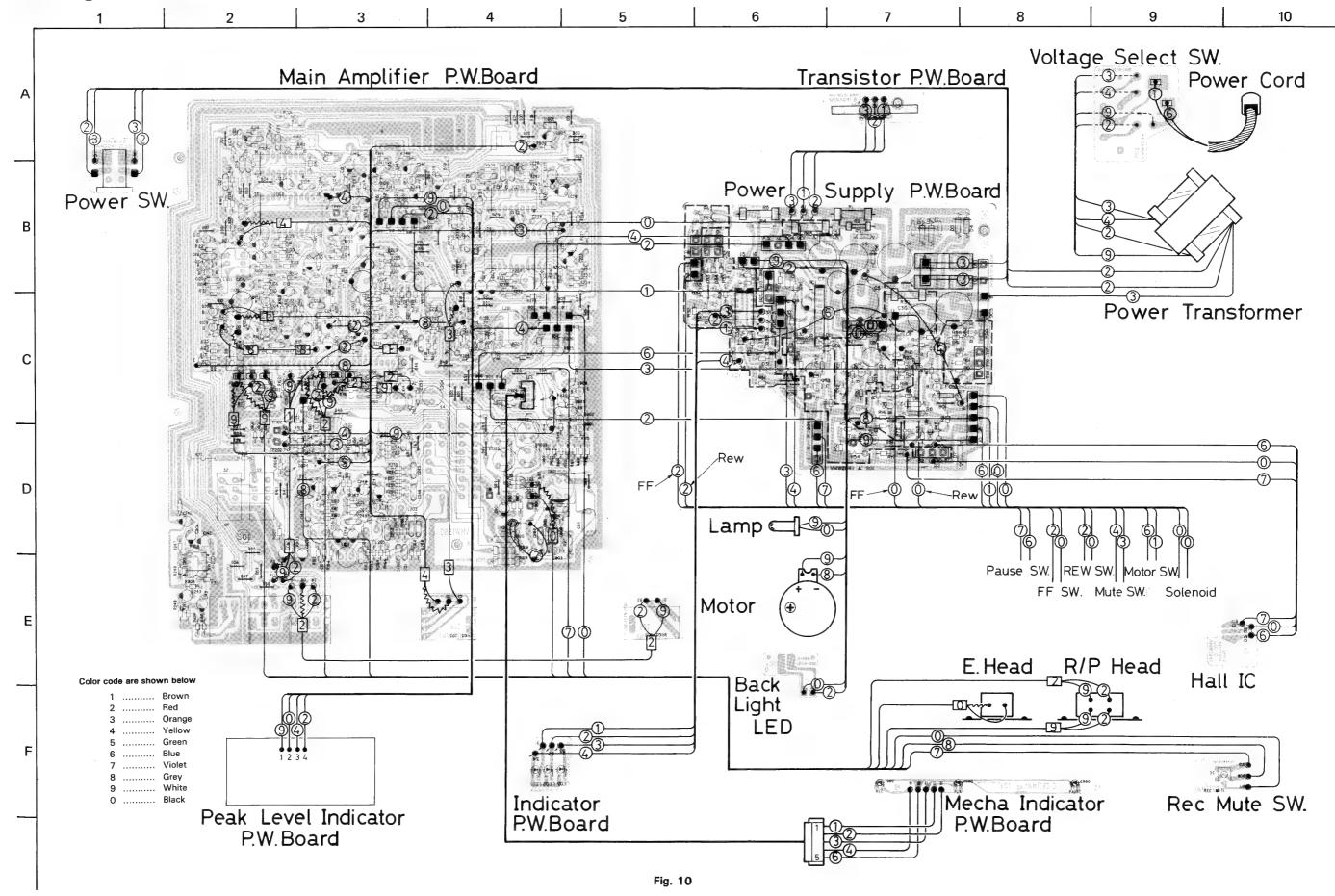
Playback System



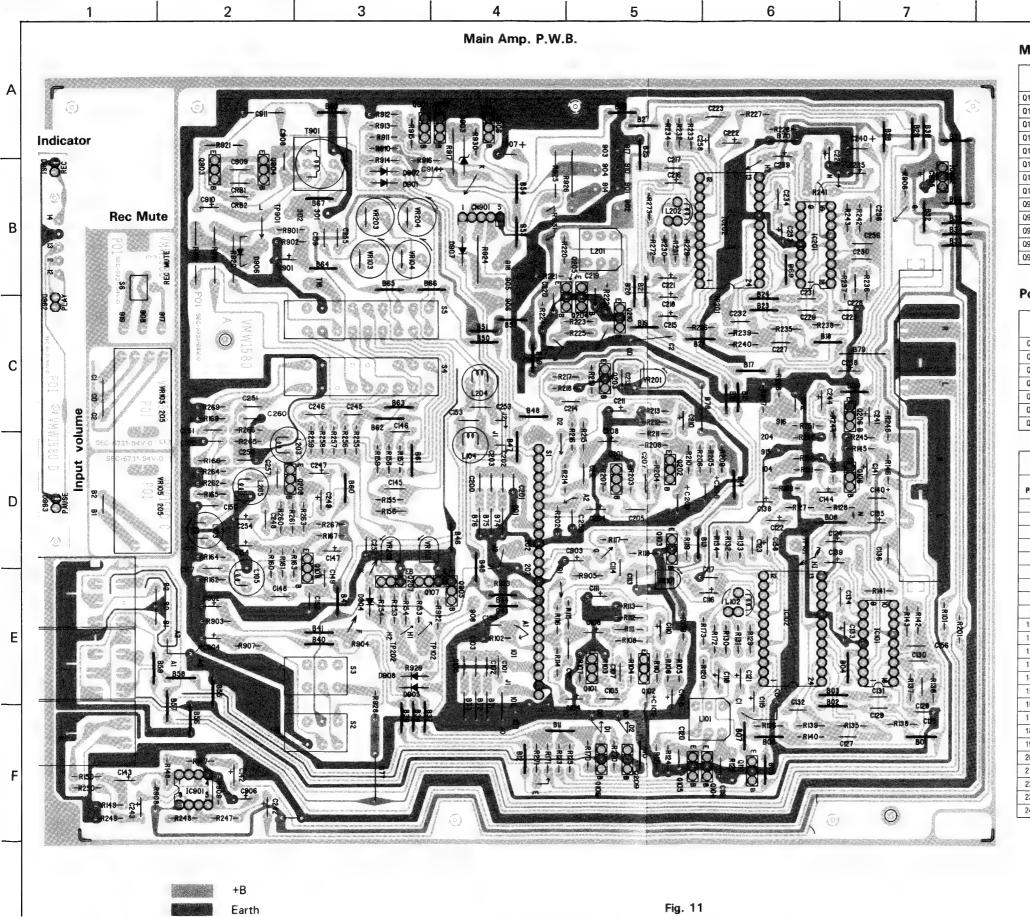
Power Supply and Mecha. Control Circuit



Wiring Connections



Main Amp. P.W. Board Parts



Main Amplifier P.W.B.

	E	Voltmete	r	C. Te	ster (20k	2/V)
	В	C	E	В	C	E
Q101 2SC1327(T,U)	0.55	1.9	0	0.18	1.7	(
Q102 2SC1327(T,U)	1.9	7.3	1.3	1.6	7.0	1.3
Q103 2SC1685(R,S)	0.63	0	0	0.6	0	(
Q106 2SC1685(R,S)	0	0	0	0	0	(
Q107 2SC2001(L,K)	0	0	0	0	0	(
Q108 2SC1327(T,U)	1.1	5.5	0.53	0.2	4.9	0.5
Q109 2SC1685(R,S)	0	0	0	0	0	(
Q110 2SC1685(R,S)	0	0	.0	0	0	(
Q901 2SC1685(R,S)	0.25	0.68	0	0.2	0.66	(
Q902 2SC1685(R,S)	0.68	0.06	0	0.66	0.06	(
Q903 2SC2274(E,F)	0.55	16.4	0.94	0.5	16.5	0.92
Q904 2SC2274(E,F)	0.08	16.4	0.94	0.08	16.5	0.91
Q905 2SC1685(R,S)	0	1.8	0	0	1.8	(

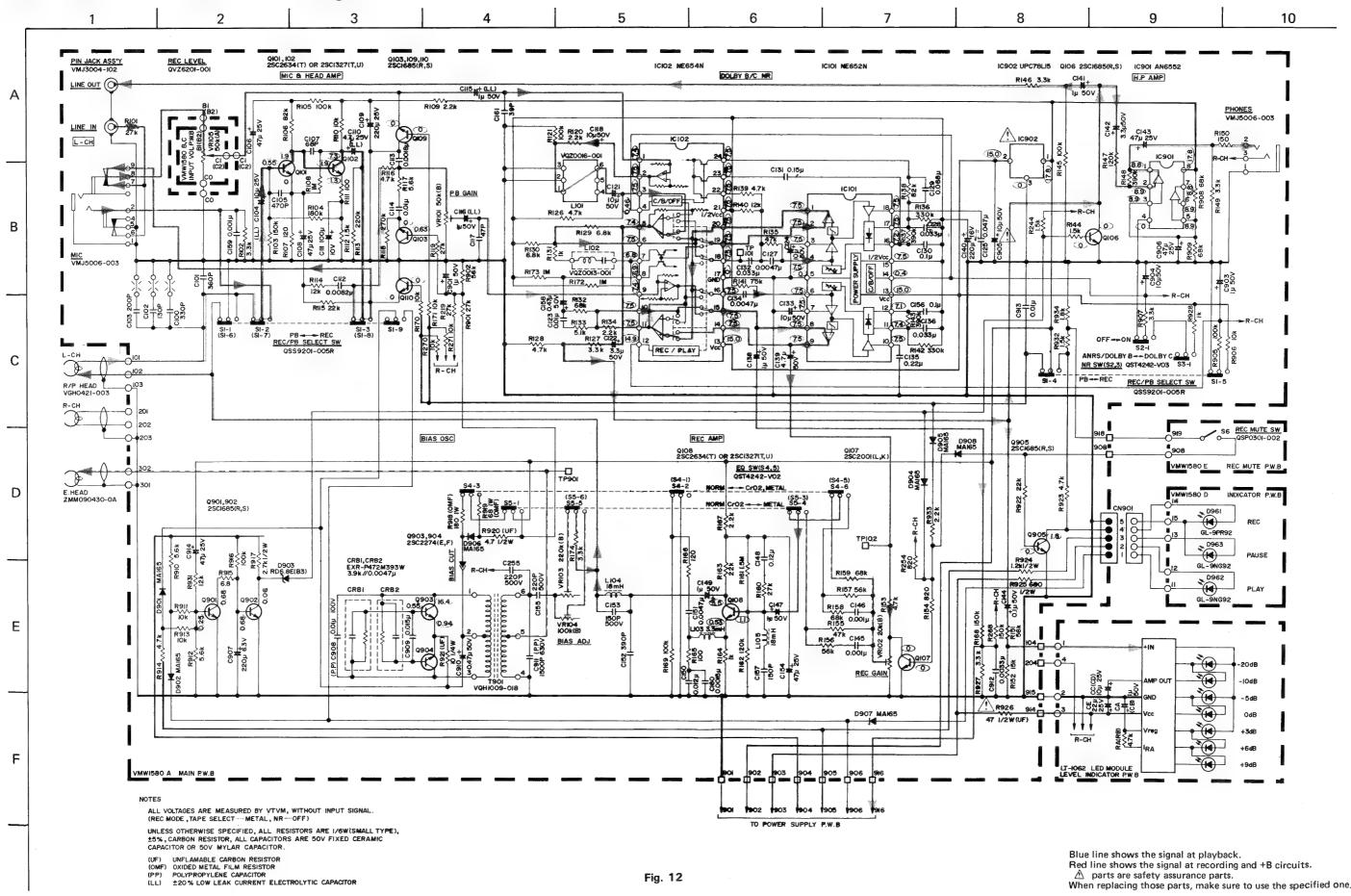
Power Supply P.W.B.

	E.	Voltmeter	•	C. Tes	ster (20ks	2/ V)	
	В	С	E	В	C	E	1
Q1	18.5	24.5	17.8	18.5	24.5	18.0	1
Q2	0.76	26.0	0.7	0.7	26.0	0.7	1
Q3	1.4	0.76	0.7	1.4	0.8	0.7	1
Q4	17.4	1.7	17.8	17.0	1.6	17.5	at pause
Q5	15.8	16.5	16.5	16.0	16.5	16.5	mode
Q31	10.1	11.0	10.8	10.0	11.0	11.0	
Q32	0.14	10.0		0	10.0	6.0	1

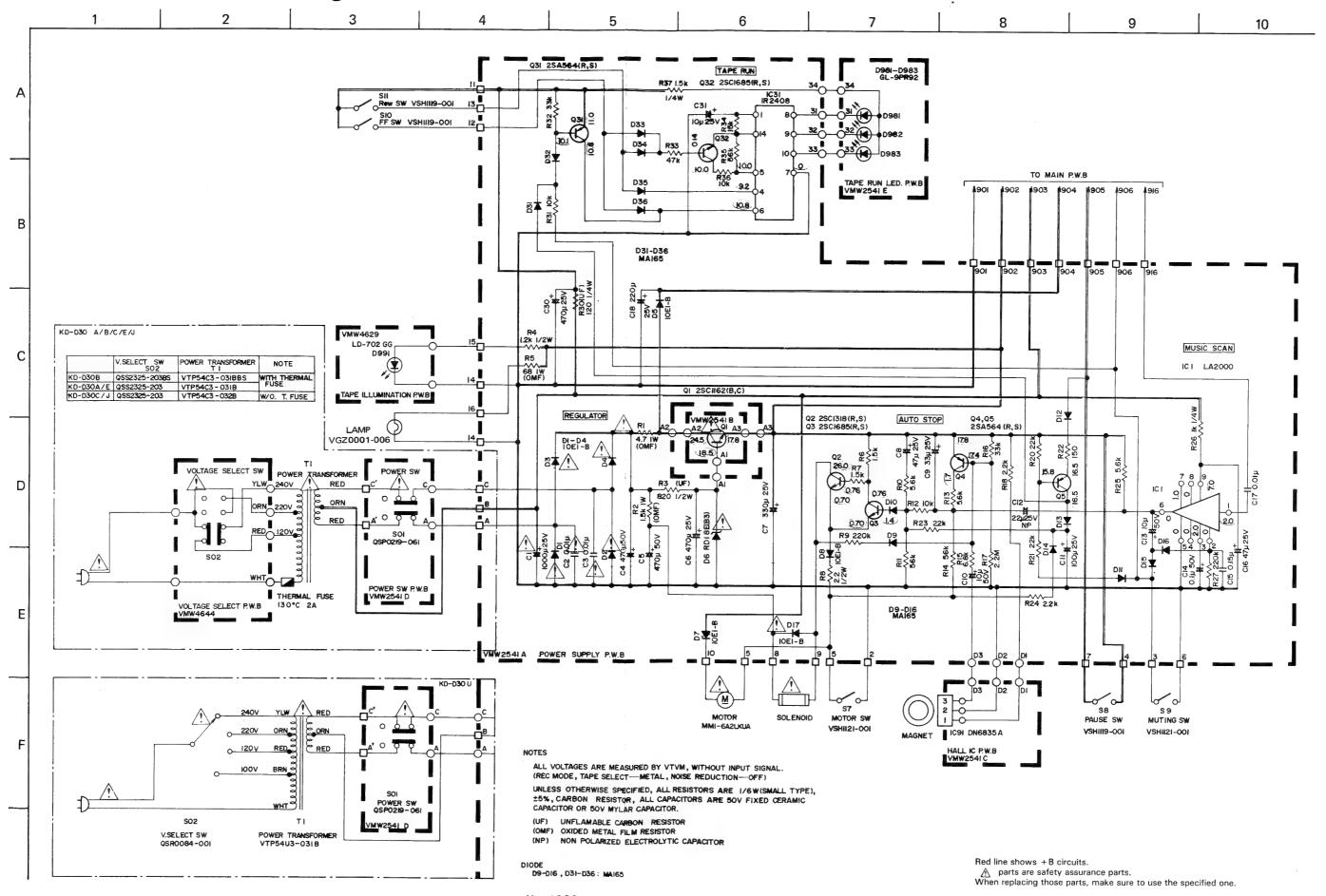
	IC101 I	IC101 NE652N		NE654N	IC901 /	AN6552	IC902 U	PC78L15
Pin	E. Voltmeter	C. Tester	E. Voltmeter	C. Tester	E. Voltmeter	C. Tester	E. Voltmeter	C. Tester
1	7.5	7.4	7.4	5.1	8.8	8.7	15.0	15.0
2	7.5	7.4	7.5	7.4	8.9	6.2	0	0
3	7.5	7.4	7.5	7.1	8.9	8.0	17.8	18.0
4	7.5	6.0	0.5	0.4	0	0		
5	0	0	7.4	7.4	8.9	8.0	1	
6	7.5	5.4	7.5	7.2	8.9.	6.0	1	
7	7.5	7.3	6.8	1.2	8.8	8.7		
8	7.5	7.4	6.9	1.2	17.8	18.0	1	
9	7.5	7.4	7.4	5.6				
10	7.5	7.4	7.5	7.3	1	1004 1		

10	7.5	7.4	7.5	7.3		IC31	R2408	IC1 L	A2000
11	7.4	7.0	7.5	7.4	-				
12	7.1	6.5	15.0	9.6	Pin	E. Voltmeter	C. Tester	E. Voitmeter	C. Tester
13	15.0	15.0	15.0	15.0	1	 	7.0	2.0	1.2
14	0.4	0.4	7.5	7.4	_	-	-		
15	7.5	7.4	7.5	7.4	2	0	0	0	0
_					3	0	0	2.0	2.0
16	7.2	6.6	7.5	7.4	4	9.2	9.2	0	0
17	7.5	7.1	0	0	5				
18	7.5	7.4	7.5	7.4	_	10.0	10.0	0	0
					6	10.8	12.0	0	0
19			7.5	7.4	7	0	0	1.0	0
20			7.5	7.4	8	<u> </u>		0	0
21		.]	7.5	7.4					
$\overline{}$		-			9	_	- 1	7.0	6.9
22			7.5	7.4	10	_	_		
23			7.5	7.4	11	0	0		
24			7.5	7.4					
					12	0	0		

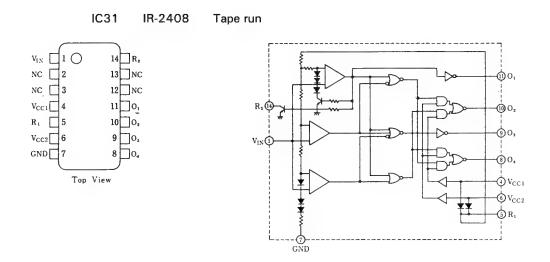
Standard Schematic Diagram of KD-D30 (Main Amplifier Circuit)



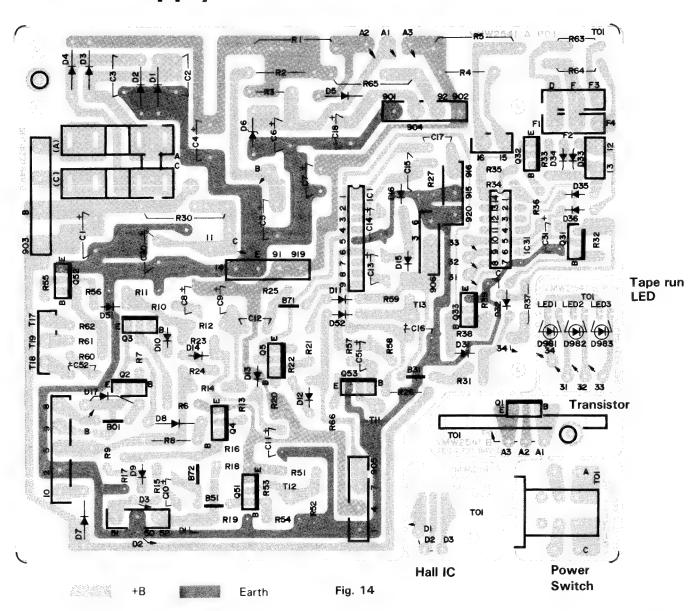
Standard Schematic Diagram of KD-D30 (Mecha. Control Circuit)



ICs



Power Supply P.W. Board Parts



Power Supply P.W. Board Parts List

 ${\textstyle\bigwedge}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Ref. No.	\triangle	Parts No.	Parts Name	Remarks	Q'ty
R1 R2 R3 R4 R5	Δ	VMW2541-***A QRG019J-4R7 QRG019J-152 QRD129J-821S QRD121J-122 QRG019J-680	P.W. Board O.M.F. Resistor C. Resistor O.M.F. Resistor	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 1 1 1 1
R6,7 R8 R9 R10,24,25 R11,14,35		QRD161J-152 QRD121J-2R2 QRD161J-224 " -562 " -563	C. Resistor	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	/ 1
R12,13,31,36 R15 R16 R17 R18		" -103 " -682 " -333 QRD143J-225S QRD161J-222	" " " "	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
R19 R20,21,23 R22 R26 R27		" -472 " -223 " -151 QRD147J-102S QRD161J-224	" " " " "	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
R30 R32 R33 R34 R37		ORD149J-121S ORD161J-333 " -473 " -153 ORD147J-152S	O.M.F. Resistor C. Resistor	120 Ω 2 W 33 kΩ 1/6 W 47 kΩ " 15 kΩ " 1.5 kΩ 1/4 W	1 1
C1 C2,3 C4,5,6,7 C8 C9	<u>A</u>	QET41ER-108 QCF11HP-103 QET41HR-477 QET61ER-476 QET61ER-336	E. Capacitor F.C. Capacitor E. Capacitor		1 2 4 1
C10,13 C11 C12 C14 C15		QET61HR-106 QET61ER-107 QEN41EM-226 QET41HR-104N QFM41HJ-154	N.P.E. Capacitor E. Capacitor Mylar Capacitor		2 1 1 1 1
C16 C17 C18 C30 C31		QET61ER-476 QFN31HJ-103 QET41HR-227N QET41ER-477N QET41HR-106	E. Capacitor Mylar Capacitor E. Capacitor		1 1 1 1 1
IC1 IC31 Q2 Q3 Q4,5,31		LA2000 IR2408 2SC1318(R,S) 2SC1685(R,S)PH 2SA564(R,S)	IC " Si. Transistor		1 1 1 1 3
Q32 D1~4,5,7,8 D6 D9~16, 31~36 D17	<u>∧</u> ∧	2SC1685(R,S)PH 10E1-B RD20E(E3) 1SS119-14TE 10E1-B	Si Diode Zener Diode Si Diode	MA165-TA5	1 7 1 14 1

Main Amp. P.W. Board Parts List

 $\underline{\Lambda}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Ref. No.	Λ	Parts No.	Parts Name	Rei	marks	Q'ty
		VMW1580-***A	P.W. Board			1
R101,201,119		QRD161J-273	C. Resistor	27 kΩ	1/6 W	7
219,160,260						
901		″ _332	,,	2 2 10	"	9
R102,202,127		″ -332		3.3 kΩ		9
227,146,246				,		
149,249,907		″ -104	"	100 kΩ	"	12
R103,203,105 205,121,221		-104				
145,245,169						
269,905,916						
R104,204		″ -184	"	180 kΩ	"	2
R106,206,138		<i>"</i> -823	"	82 kΩ	"	4
238						
R107,207		″ -121	"	120 Ω	"	2
R108,208,172		″ -105	"	1 ΜΩ	"	6
272,173,273			"	0.010	"	9
R109,209,120		″ -222	"	2.2 kΩ		9
220,134,234						
167,267,929		″ 103	"	10 kΩ	"	10
R110,210,170		″ -103		10 102		'
270,171,271 906,911,913						
931						
R111,211,166		″ -101	"	100 Ω	"	4
266						
R112,212,144	~	″ -152	"	1.5 kΩ	"	4
244						
R113,213		″ -224	"	220 kΩ	"	2
R114,214,140		″ -123	"	12 kΩ	"	4
240			"	00010	"	4
R115,215,163		″ -223	"	220 kΩ		4
263		″ 472	"	4.7 kΩ	"	12
R116,216,126		″ -472		7.7 122		'-
226,128,228 139,239,153						
253,914,923						
R117,217,910	 	″ -562	"	5.6 kΩ,	"	4
912		302				
R118,218		″ -274	"	270 kΩ	"	2
R129,229,130		<i>"</i> -682	"	6.8 kΩ	"	4
230					"	_
R131,231,164		″ -102	"	1 kΩ	"	5
264,928			"	60 10	"	6
R132,232,159		″ -683	,	68 kΩ		0
259,908,909	ļ		"	5.410	"	2
R133,233		″ -512 ″ -473	"	5.1 kΩ 47 kΩ	,,	5
R135,235,157		<i>"</i> -473		4 / KW		• •
257,922		″ -334	"	330 kΩ	"	4
R136,236,142		-334		000 Kii		
242 R137,237,143		″ -394	"	390 kΩ	"	6
243,148,248						
R141,241		″ -753	"	75 kΩ	"	2
R147,247,162		″ -124	"	120 kΩ	"	4
262						_
R150,250		″ -151	"	150 Ω	"	2
R151,251,902		<i>"</i> -563	"	56 kΩ	"	3
R152,252		″ -153	"	15 kΩ	"	2 2
R154,254	_	<i>"</i> -821		820 Ω		
R155,255		″ -393	"	39 kΩ	"	2
R156,256,158		″ -333	"	33 kΩ		4
258	1					

Ref. No.	Δ	Parts No.	Parts Name	Rer	marks	Q'ty
R161,261 R165,265 R168,268 R915 R917		QRD143J-155S QRD161J-560 " -154 " -6R8 QRD121J-272	C. Resistor	1.5 MΩ 56 Ω 150 kΩ 6.8 Ω 2.7 kΩ	1/6 W " " 1/2 W	2 2 2 1 1
R918 R919 R920 R921 R924		QRG019J-181 " -680 QRD129J-4R7 QRD149J-100S QRD121J-122	O.M.F. Resistor C. Resistor	180 Ω 68 Ω 4.7 Ω 10 Ω 1.2 kΩ	1W " 1/2 W 1/4 W 1/2 W	1 1 1 1 1 1
R925 R926 C100,200 C101,201 C102,202		" -681 QRG019J-680 QCS11HJ-331 " -361 " -131	O.M.F. Resistor F.C. Capacitor	680 Ω 68 Ω 330 pF 360 pF 130 pF	1 W 50 V	1 1 2 2 2
C103,203 C104,204 C105,205 C106,206,108 208,143,243 154,254,906		7 -201 QEB41EM-106 QCS11HJ-471 QET41ERT-476	E. Capacitor (Low Leak) F.C. Capacitor E. Capacitor	200 pF 10 μF 470 pF 47 μF	25 V 50 V 25 V	2 2 2 9
C107,207 C109,209 C110,210 C111,211 C112,212 C113,213		QCS11HJ-680 QET41ER-227N QEB41EM-475 QET41AR-107 QFN41HJ-822	F.C. Capacitor E. Capacitor E. Capacitor (Low Leak) E. Capacitor M. Capacitor	68 pF 220 μF 4.7 μF 100 μF 0.0082 μF 0.0018 μF	50 V 25 V 10 V 50 V	2 2 2 2 2 2 2
C114,214,123 223 C115,215,116		″ -103 QEB41HM-105	E. Capacitor (Low Leak)	0.01 μF 1 μF	″ 50 V	4 4
216 C117,217 C118,218,121 221,124,224 133,233,904 905 C122,222,142		QCS11HJ-470 QET41HR-106N " -335N	F.C. Capacitor E. Capacitor	47 pF 10 μF 3.3 μF	"	2 10
242 C125,225 C127,227,134 234		QFN41HJ-473 " -472	M. Capacitor	0.047 μF 0.0047 μF	"	2 4
C128,228,132 232,136,236 C129,229 C130,230,156 256		″ -333 ″ -683 ″ -104	"	0.033 μF 0.068 μF 0.01 μF	" "	6 2 4
C131,231 C135,235 C138,238,141 241,149,249 901,903		″ -154 QEB41HM-224 QET41HR-105	E. Capacitor (Low Leak) E. Capacitor	O.15 μF O.22 μF 1 μF	" "	2 2 8
C139,239 C140,240		″ -475N QET41CR-227N	"	4.7 μF 220 μF	″ 16 V	2 2
C144,244 C145,245 C146,246,160 260		QET41HR-104N QFN41HJ-122 QFN41HJ-152	M. Capacitor M. Capacitor	0.1 μF 0.0012 μF 0.0015 μF	50 V 50 V	2 2 4
C147,247 C148,248		QET41HR-105 QFN41HJ-124	E. Capacitor M. Capacitor	1 μF 0.12 μF	"	2 2
C150,250,909 C151,251 C152,252 C153,253		" -153 " -392 QCS11HJ-391 QCS12HJ-151	C. Capacitor	0.015 μF 0.0039 μF 390 pF 150 pF	″ ″ 500 V	3 2 2 2

Ref. No.	Æ	Parts No.	Parts Name	Remarks	Q'ty
C155,255 C157,257 C158,258,910 C159,259 C907		QCY12HK-221 QCS11HJ-151 QET41HR-474N QFN41HJ-102 QET40JR-227N	C. Capacitor E. Capacitor M. Capacitor E. Capacitor	220 pF 500 V 150 pF 50 V 0.47 μF ″ 0.001 μF ″ 220 μF 6.3 V	2 2 3 2 1
C908 C911 C912 C914 CRB1,2		QFP82AJ-103 QFP82XJ-152 QFN41HJ-122 QET41ER-336N EXR-P472M393W	P.P. Capacitor M. Capacitor E. Capacitor C.R. Block	0.01 μF 100 V 0.0015 μF 0.0012 μF 50 V 33 μF 25 V	1 1 1 1 2
VR101,201 VR102,202 VR103,203,104 204 L101,201	-	QVP8A0B-054 " -024 QVP4A0B-224 VQZ0016-001	V. Resistor " Filter	50 kΩ 20 kΩ 220 kΩ	2 2 4 2 2
L102,202 L103,203 L104,204,105 205 T901		VQZ0013-001 VQP0001-332S " -183S VQH1009-018	Inductor " OSC Coil		2 4
IC101,201 IC102,202		VYH4514-002 NE652N NE654N	Shield Case IC	Dolby "	1 2 2
IC901 IC902 Q101,201,102	A	AN6552 UPC78L15 2SC2634(T)	" Si. Transistor		1 1 6
202,108,208 Q103,203,106 206,109,209 110,210,901 902,905		2SC1685(R,S)PH	"		11
Q107,207 Q903,904 D901,902 904~908		2SC2001(L,K) 2SC2274(E,F) 1SS119-14TE	Si. Diode	or MA165-TA5	2 7
D903 S1 S2,3		RD6.8E(B3) QSS9201-005R QST4242-V03	Zener Diode Slide Switch Push Switch	for REC/PB for NR	1 1 1
S4,5 CN901		" -V02 VMJ5006-003 VMJ3004-102 QMV5005-005	Jack Ass'y PIN Jack Ass'y Plug Ass'y	for EQ for MIC & H.P	1 1 1 1

Other P.W. Board Parts

Head



Back light



Slide Switch (Voltage select SW)

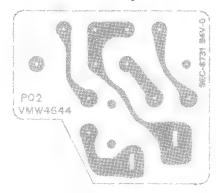


Fig. 15

Other P.W. Board Parts List

 $\underline{\mathbb{A}}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Ref. No.	\triangle	Parts No.	Parts Name	Remarks	Q'ty
(R/P Head)					+
		VMW4647-001	P.W. Board	for R/P Head	1
(LED)					
		VMW4629-001	P.W. Board		1
		LD-702	LED		1
(Voltage select swit	tch)				
		VMW4644-002	P.W. Board		1
S02		VKS4354-001	Wire Clamp	KD 0000	1
502	_ ♠	QSS2325-203BS QSS2325-203	Slide Switch Slide Switch	KD-D30B	1
		QSR0084-001	V. Select Switch	KD-D30 A/C/E/J KD-D30U	1 1
	\triangle	VMA4151-001	Insulator	for Voltage select switch	1
		VYSR106-007	Spacer	107 Voltage solder switch	i
(Input Volume)			-		
(,		VMW1580-***B	P.W. Board		1
		VMW1580-***C	"		1
VR105,205		QVZ6201-001	V. Resistor		1
(Level Indicator)					
		LT-1062	L.E.D. Module		1
RA,RB		QRD161J-472	C. Resistor		2
CC,CD		QET41ER-106N	E. Capacitor		2
CA,CB		QET41HR-105N	"		2
CE		QET41ER-226N	"		1
(Indicator)		\/\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\			
D004		VMW1580-***D	P.W. Board		1
D961 D962,963		GL-9PR92 GL-9NG92	L.E.D.	Red	1
		GL-9NG92		Green	1
(Rec Mute SW)		VMW1580-***E	P.W. Board		
		QSP0301-002	Push Switch		1 1
Power Transistor)	+	231 030 1 002	r dan awitti		
rower iransistor)		VMW2541-***B	P.W. Board		1
Q1		2SC1162(B,C)	Si. Transistor		1
<u> </u>		VKL5002-001	Heat Sink	for Q1	1
		DPSP3006Z	Screw	for Q1	1
(Hall IC)					
··· - - • •		VMW2541-***C	P.W. Board		1
		DN6835A	Hall IC		1
Power Switch)					
•		VMW2541-***D	P.W. Board		1
S01	\triangle	QSP0219-061	Push Switch		1
Tape run LED)		, , , , , , , , , , , , , , , , , , , ,			
-		VMW2541-***E	P.W. Board		1
D981~982		GL-9PR92	L.E.D.	red	3

Mechanical Component Parts 9 10 8 146 138 143 142 130 133 Main Base 139 06 99 122 106 105 104-106 106 *∠*}–152 - l28 Disk base **Button Case**

– 21 –

Enclosure Assembly and Electrical Parts (Except P.W. Board Parts) Power Switch 88 62 <u>₩ 63</u> 83 @ **∞** 41 _® 92 23 93 KD-D30U Rec Mute Switch § 33 <u>a</u> 92

Mechanical Component Parts List

 $\underline{\Lambda}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Ref. No.	\triangle	Parts No.	Parts Name	Remarks	Q'ty
1		VKS2115-001	Main Base		1
2		VKS4400-001	Pause Trigger		1
3		VKW3006-026	Spring	Pause Trigger	1
4		VKS4401-001	FF Lever		1
5		VKW3006-027	Spring	FF Lever	1
6		VKS4402-001	Play Trigger		1
7	i	VKW3006-028	Spring	Play Trigger	1
8		VKS4403-002	FR Safety	, 55	1
9		VKS4404-001	Rew Lever		1
10		VKW3006-029	Spring	Rew Lever	1
11		VKS4405-00A	Pause Arm Ass'y		1
12		VKS4483-00A	Play Arm Ass'y		1
13		VKW4333-001	Spring	Pause Cam	1
			Pause Cam	radso Gaint	1
14 15		VKS3147-001 VKS4410-002	Lock Bush	Pause Cam	1
				Play Cam	1
16		VKW4334-001 VKS4411-002	Spring Play Cam	Flay Calli	1
17				Play Cam	1
18		VKS4410-002	Lock Bush	Play Calli	1
20		VKS2117-00A	Disk Base Ass'y		1
21		VKR4265-00A	Supply Reel Ass'y	Paul Tanair	<u> </u>
22		VKZ4003-003	Felt	Back Tension	1
23		VKR4170-001	Ring		1
24		VKS4131-001	Reel Stopper		1
25		VKR4267-00A	Take-up Reel Ass'y		1
26		VKR4170-001	Ring		11
27		VKS4131-001	Reel Stopper		1
28	1	VKS3148-00A	FR Base Ass'y		1
29		VKW3006-031	Spring	FF	1
30		VKW3006-032	Spring	REW	1
31		VKR4271-001	Rew. Gear		1
32		VKZ4004-001	Special Washer	Rew Gear	1
33		VKS4413-001	FR Stopper		1
34		VKW3006-033	Spring	FR Base	1
35		VKS4414-00A	FR Arm Ass'y	111 0000	1
36		VKW3006-034	Spring	FR Arm	1
37	+	VKH3000-045	Collar	"	1
		VKS4416-002	FR Trigger		1
38				FR Trigger	1
39		VKW3006-035	Spring	i it itigger	1
40		VKS4417-001 VKW3006-036	FR Cam Spring	FR Cam	1
41				TH Gain	1
42		VKS4410-002	Lock Bush		1
43		VKS4418-001	Return Lever	Data um Contra	
44		VKW3006-045	Spring	Return Spring	
45		VKR4272-00A	FW. Gear Ass'y		1
46		VKR4276-001	Roller		_ 1
47		VKL3352-00A	Chassis Base Ass'y		1
49		VKL3354-00A	Button Case Ass'y		1
50		VKS4420-00A	Button Ass'y		3
51		VKS4420-00C	"		2
52		VKS4493-00A	Pause Button Ass'y		1
53		VKW4345-002	Spring		1
54		″ -001	"		1
55	1	VKW4326-001	"		2
56		VKL3355-002	Rec Cam		1
50 57		VKL53335-002 VKL5125-00A	Main Cam Ass'y		1
58	+	VKL3357-002	Sub Cam		1
58 59		VKL3357-002 VKL3358-001	Switch Cam		1
60		VKW3002-094	Tension Spring	Switch Cam ~ Main Cam	2
		- マトリン・コレハノス・リングサ		, Carter Carr Main Carr	

Ref. No.	\triangle	Parts No.	Parts Name	Remarks	Q'ty
62		VKW3002-095	Tension Spring	Sub Cam	1
63		VKS4422-001	Select Arm		1
64		VKW4340-001	Spring	Select Arm	1
65		VKW4327-002	Wire		1
66		VKS4423-001	Wire Stopper		i
69		VKF4115-00A	Capstan Metal Ass'y		1
70		VKS4424-00A	Take-up Idler Ass'y		1 1
71		VKS4427-001	Pause Arm		1
72		VKW3002-096	Tension Spring	Takeum	
73		VKS4428-003	Brake Arm (1)	Take-up	1 1
			, , ,		
74		VKW3002-097	Tension Spring	Brake Arm (1)	1
75 76		VKS4429-001	Brake Lever		1
76		VKS4430-002	Brake Arm (2)		1
77		VKW3002-097	Tension Spring	Brake Arm (2)	1
78		VKS4431-002	Brake		1
79		VKP4121-00A	Pinch Roller Arm Ass'y		1
80		VKW4356-001	Pinch Roller Spring		1
81		VKL3359-002	Slide Base		1
82		VKS2119-001	Head Mount Base		1
83		VGH0421-003	R/P Head Ass'y		1
84		ZMM090430-0A	E Head Ass'y		1
85		VKW3001-020	Compression Spring	R/P & E. Head	2
86		VKW4342-002	Slide Base Spring	TVI & E. Head	1
87		VKW3002-099	Tension Spring		1 .
88		VKS4432-002	Roller		1 3
89 90	i	VKS4433-001	Switch Arm		1
		VKS4434-001	Cassette Guide		1
91		VKY4238-001	Spring Plate		1
92		T41615-004	Stell Ball	80.4	1
93		VKW4341-001	Spring	Slide Base	1
94		VKS4435-003	Rec Lever		1
95		VKW3002-011	Tension Spring		1
96	\triangle	VGP0601-013	Solenoid Ass'y		1
97		VKW3002-043	Tension Spring		1
98		VKS4436-001	Rec Arm		1
99		VKF3120-00A	Flywheel Ass'y		1
100		VKW3001-010	Spring	Thrust	1
101		VKB3001-011	Belt	Capstan	1 1
102		VKL3402-001	F.M. Bracket		1
103		VKS4437-001	Thrust Plate		i
104	Δ	MMI-6A2LKUA	D.C. Motor		1
105		VKS4139-002	Motor Pulley		1
106		VKZ4014-001	Special Screw		
100		VKS4438-002	Rec. Safety Arm		4
108		VKW3002-039	Tension Spring	Rec´S. Arm	1 1
				Rec 5. Affii	
111		VKS4492-00A	Rec. Arm Ass'y		1
112		VKY4239-001	Pack Spring		1
113		VKS4490-001	Select Arm		1
114		VMW4647-001	Printed Wiring Board	for REC/PB Head	1
115		VKW3006-049	Spring		1
116		VKW4374-002	"		1
117		VKL3403-001	Switch Bracket		l i
118		VSH1121-001	Leaf Switch		2
119		VSH1119-001	"		3
121		Q03093-838	Washer		1
122		″ -627	"	Thrust	1
123		-627 " -827	n	"	1
124		″ -522	"	Oil Cut	1 1
125		REE1500	E. Ring	Select Arm x 1	2
120		HEE I JOU	L. Imig		2
126		REE2500	"	Rec. Arm Unit x 1 Switch Cam x 1	2
120		HELESOU		Pinch Roller Ass'y x 1	2
I	1				

Ref. No.	Δ	Parts No.	Parts Name	Remarks	Q'ty
128		HPST2604Z	Screw	Solenoid Ass'y x 1 Pack Spring x 1,	5
100		UDCT26067	"	Side Bracket Ass'y x 3 Stell Ball	1
129 130		HPST2606Z	"	Main Base x 1 Disk Base x 1	1
130		HPST2612Z SBSB2006Z	"	Leaf Switch	2 2
132		SDSP2006Z SDSP2006Z	"	Lear Switch	3
		5D5P2006Z			
134		VKZ4109-001	Motor Screw		3
135		SPSX2010N	"	R/P Head x 2 E. Head x 1	3
136		SSST2604Z	"	Capstan Metal Ass'y	3
137		SSST2605Z	"	Button Case	2
138		SPSP2612Z	"	Side Bracket Ass'y	1
139		SPSX2008N	Screw	E. Head	1
141		VKL3399-001	Side Bracket		1
142		VKS4488-001	Lock Arm		1
143		VKH3001-054	Flange Collar		1
144		VKS4487-001	Connecting Lever		1
145		VKW3002-063	Tension Spring	E. Button	1
146	İ	″ -034	"	E. Lever	1
147		VKS4480-001	Eject Button		1
148		VKH3000-053	Collar		1
149		VKL5256-002	Bracket		1
150		SPSK1425M	Screw		1
151		VKZ4130-001	Cushion Rubber		3
152		TFB345469-01	Rubber Stopper		1
154		VKL5295-001	Stopper		1
155		SSSP3004Z	Screw		1
156		SDSP3004Z	Screw		1
157		VKL5199-002	Plate		1

Enclosure Assembly and Electrical Parts List (Except P.W. Board Parts)

 \triangle parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Ref. No.	Δ	Parts No.	Parts Name	Remarks	Q'ty
1 2 3 4 5		VJD3340-001 VJD4437-003 VKL5257-001 VXP4240-001 VKB3000-053	Mecha. Cover Disk Plate Mecha. Bracket (L) Push Button Belt	Mecha. Tape counter	1 1 1 6
6 7 8 9 10		VJD3339-001 VKS3159-001 VXS4072-001 VKS3160-002 VXP4234-001	Blind Volume Lever Slide Knob Remote Bar Push Button		1 2 2 4 4
11~15 (18,21) 23~28		ZCKDD30Y-CBF	Front Plate Ass'y		1
11 12 13 14		VJC1236-002 VJD4593-001 VJD4594-002 E69212-001	Front Plate Scale Plate Plate JVC Mark		1 1 1 1
15 16 17 18 19		VJD3342-001 VXP4241-001 VKW3001-058 VJD3357-001 VXP4239-001	Counter Escutcheon Reset Knob Compression Spring Button Escutcheon Push Button	Eject	1 1 1 1 1
20 21 22 23 24		VKW3001-063 VJD3341-002 VKL5262-00A VJK3195-001 VJD2189-001	Compression Spring Button Case Door BKT. Ass'y Finder LED Escutcheon		1 1 1 1
25 26 27 28 29		VJD4595-002 VJD3198-001 VJD4592-001 E69189-002 VKS4003-011	LED Plate Light Lens Button Escutcheon Push Knob Ass'y Pipe		1 1 1 1
30 31 32 33 34		VYH4460-001 VJT2073-001 VKY4273-001 VKY4252-002 VJT3089-001	Gear Cassette Door Cassette Spring " Cassette Lid		1 1 2 1
35 36 38 39 40		VKW4365-002 VJD3311-001 VJC2075-001 VJF4003-002 VJC2076-001	Holder Spring Jack Escutcheon Bottom Cover Foot Top Cover		1 1 1 4
41 42		VKZ3001-002 VYN2100-002PA "-003PA "-004PA "-005PA "-006PA "-007PA	Special Screw Name Plate	KD-D30B KD-D30A KD-D30C, -004PK KD-D30E KD-D30J KD-D30U	4 1 1 1 1
43 44 45		LD-702 VMW4629-001 VKL127-001	LED P.W. Board Amp. Chassis		1 1 1
46 47 48 49 50		VJC2074-002 VKL3383-001 VKL2160-003 VKL3384-002 VKL3387-001	Rear Panel Angle Front Bracket (L) " (R) Power Bracket		1 1 1 1
51 52 53 54		VKL3395-001 VKL5260-00A VKW4363-001 VKW4364-002	Rec. Arm Rec. Bracket Ass'y Spring Rec. Wire		1 1 1 1

Ref. No.	\triangle	Parts No.	Parts Name	Remarks	Q'ty
55		VMW4644-001	P.W. Board	Voltage Select SW KD-D30A/B/C/E/J	1
56	\triangle	QSS2325-203BS	Slide Switch	KD-D30A/B/C/E/3	1
30	\triangle	″ -203	"	KD-D30A/C/E/J	1
57	\triangle	VMA4151-001	Insulator	for V.S. Switch	1
58		VKS4354-001	Wire Clamp		1
59	\triangle	QSR0084-001	V. Select Switch	KD-D30U	1
60	Δ	VKL4275-001	Bracket	"	1
61	\triangle	VTP54C3-031BBS	Power Transformer	KD-D30B	1
	\triangle	″ -031A	"	KD-D30A/E	1
	\triangle	″ -032B	"	KD-D30C/J	1
0.0	A	VTP54U3-031B QMP9017-008BS	Power Cord	KD-D30U KD-D30B	1
62	\triangle	QMP2560-200	rower Cord	KD-D30B	1
	\triangle	QMP1200-200	"	KD-D30C/J	1
	\triangle	QMP3900-200	"	KD-D30E	1
	\triangle	QMP7600-200	"	KD-D30U	1
63	\triangle	QHS3876-162BS	Strain Relief	KD-D30B	1
	$\overline{\mathbb{A}}$	″ -162	"	KD-D30A/C/E/J/U	1
64		VKC5160-001T	Tape Counter		1
65		VKL5258-001	Eject Lever		1
66		VKH4387-001	Shaft		1
67		VKZ4001-011	Wire Holder		5
68		VKL5276-001	Lamp Holder		1
69	A	VGZ0001-006	Lamp Ass'y		<u> </u>
70		T47818-002	Spacer Push Button	Rec. Mute	4
71 72		VXP4258-001 VKL5268-001	Bracket (A)	nec. Mute	1
73		VKL5266-001	Bracket (B)		1
74		TAW000504-01	Connector	KD-D30U	2
81		REE2500	E Ring	Eject Escutcheon	1
82		REE3000	"	Rec. Bracket x 1	2
				Eject Lever x 1	
83		LPSP2604Z	Screw	Input Vol. P.W.B.	4
84		SSSP2604Z	,,	Door Bracket Ass'y	2
85		LPSP3006Z	,	Power Switch P.W.B. x 2 V. Select SW x 2 (KD-D30U)	4
86		SDSF2606Z	n n	Tape Counter	2
87		SDSF2608Z	"	P.W.B.	3
88		SDSP3006R	"	V. Select Switch	2
89		SDST2604Z	"	Mecha. Bracket	2
90		SDST2606Z	"	Blind x 2 Lamp holder x 1	3
91		SDST3006R	"	Jack Escutcheon x 1	9
				Rear Panel x 3	
				Angle x 2	
				Power Bracket x 1	
0.2		CDCT30067	"	Top Cover x 2 Mecha. x 6	32
92		SDST3006Z		Hall IC x 1	52
				Front Plate x 2	
				Bottom Cover x 6	
				Front Bracket (L) x 3	
				Front Bracket (R) x 3	
				Power Bracket x 1	
				Rec. Bracket x 1	
				Power Transformer x 4	
				P.W.B. x 3	
0.0		00070007	"	Wire Holder x 2	3
93		SSST3006Z		Front Plate Main P.W.B. x 5	11
94		SDST3008Z	Screw	Power Supply x 4	''

Packing

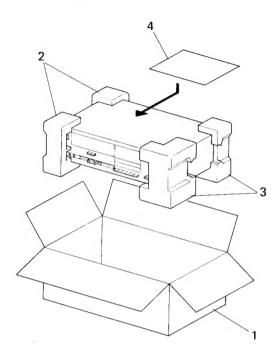


Fig. 18

Positions of controls and switch knobs at renew packing

Power switch : OFF NR system SWs : OFF Tape select SWs : SF/NORM Rec level controls : MIN Counter : 000 Mecha. operation buttons : OFF Eject : OFF Rec Mute SW : OFF

Packing Material Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VPD2100-J02	Carton	KD-D30B	1
	″ -J03	"	KD-D30A	1
	″ -J04	"	KD-D30C	1
	″ -J05	"	KD-D30E	1
	″ -J06	"	KD-D30J	1
	″ -J07	"	KD-D30U	1
2	VPH3111-001	Cushion	Left	1
3	VPH3112-001	"	Right	1
	Q04141H	Wire Clamp	for Power Cord	1
	TKS000501-08	Sheet	for Unit	1
	VPE4002-005	Poly Bag	for Unit KD-D30B	1
	QPGA060-06005	Envelope	for Unit	1
		·	KD-D3QA/C/E/J/U	
	AP4056A-36	Poly Bag	for PIN Cord	1
4	VPE4002-004	"	for Inst. Book KD-D30B	1
	AP4056B-077	Envelope	for Inst. Book	1
			KD-D30A/C/E/J/U	

Accessories

 $\underline{\Lambda}$ parts are safety assurance parts. When replacing those parts, make sure to use the specified one.

Parts No.	\triangle	Parts Name	Remarks	Q'ty
VMP0002-00B		Pin Cord		2
VNN0095-901		Instruction Book	KD-D30A/C/J/U	1
″ -301		"	KD-D30B/E	1
BT20013C		Guarantee Certificate	KD-D30B	1
BT20029B		Warranty Card	KD-D30A	1
BT20025E		"	KD-D30C	1
BT20047		"	KD-D30U/J	1
TJL000443-01		Seal	KD-D30B	1
			(Made in Japan)	
		BEAB Label	KD-D30B	1
VNC5004-001		Mark Sticker	KD-D30B/E	1
TLT052401-01		Warning Label	KD-D30A/B/E	1
		· ·	for Dis Connection	
OZL1002-003BS		"	KD-D30B	1
			for 2 Pin Power Cord	
T44362-001		CSA Marker	KD-D30C	1
E66416-003		Envelope	KD-D30J	1
		•	for Warranty Card	
BT20046A		Special Relay Card	KD-D30J	1
BT20046		, , ,	KD-D30U	1
BT20044D		Safety Instruction	KD-D30J	1
TLT000505-01		UL/CSA Caution Label	"	2
E7795-1		EP Mark	KD-D30U	1
VNC5311-101		Caution Card	KD-D30U	1
V04062-001	\triangle	Siemens Plug	"	1
T46328-001		Caution Label	"	1
VND4037-001		F. Mark Label	KD-D30E	1